



**Texas State Soil and Water Conservation Board
Clean Water Act §319(h) Nonpoint Source Grant Program
FY 2006 Project 06-12 Workplan**

NONPOINT SOURCE SUMMARY PAGE for the CWA §319(h) Agricultural/Silvicultural Nonpoint Source Grant Program					
Title of Project:	Leon River Watershed Protection Plan Project				
Project Goals/Objectives:	(1) To use a locally-driven, stakeholder process to develop a Watershed Protection Plan for the Leon River watershed; (2) To enhance data collection efforts to support and facilitate implementation activities; (3) To provide an overall assessment of the Leon River watershed; and (4) To develop a WPP that can reduce bacteria loadings into the Leon River so as to meet state surface water quality standards.				
Project Tasks:	(1) Project Management; (2) Public Participation and Coordination; (3) Data Collection and Assessment; (4) Development of a Watershed Protection Plan				
Measures of Success:	Development of a Watershed Protection Plan that (a) meets the 9 key elements as set forth by USEPA for watershed-based plans; (b) facilitates load reductions in bacteria identified by the draft Leon River TMDL; and (c) addresses other water quality concerns in the Leon River watershed.				
Project Type:	Statewide (); Watershed Implementation/Education(); Watershed Planning/Assessment (X); Watershed Protection (X)				
Status of Water Body: 2002 Water Quality Inventory and 303(d) List	Segment ID: 1221-Leon River Below Proctor Lake		Parameter: Bacteria	Category: 5a	
Project Location:	Leon River Watershed below Proctor Lake and above Belton Lake in Comanche, Hamilton, Erath, Coryell, Mills and Bell Counties				
Key Project Activities:	Hire Staff (); Monitoring (); Regulatory Assistance (); Technical Assistance (); Education (X); Implementation (); Demonstration (); Modeling (X); Other (X)				
NPS Management Program Elements:	LTG Objectives 1, 2, 5, 6, & 7 STG 1, Objectives C & D STG 2, Objective A				
Project Costs:	Federal:	\$440,525	Non-Federal:	\$353,683	Total: \$794,208
			TSSWCB State GR	\$ 60,000	
			Cooperator Match	\$ 293,683	
Project Management:	Brazos River Authority				
Project Period:	October 1, 2006 – September 30, 2010				

Part I – Applicant Information

Applicant							
Project Lead	Jay Bragg						
Title	Regional Environmental Planner						
Organization	Brazos River Authority						
E-mail Address	jbragg@brazos.com						
Street Address	4600 Cobbs Drive						
City	Waco	County	McLennan	State	TX	Zip Code	76714-7555
Telephone Number	(254) 761-3135			Fax Number	(254) 761-3205		

Project Partners	
Names	Roles & Responsibilities
Texas State Soil and Water Conservation Board (TSSWCB)	Provide state oversight and management of all project activities. Ensure coordination of activities with TCEQ. Provide state funding.
Brazos River Authority (BRA)	Perform and/or supervise all work described in tasks. Provide non-federal cooperator match.
City of Comanche, City of Dublin, City of Gatesville, City of Hamilton, Texas Association of Dairymen, Texas Cattle Feeders Association, City of Gustine, Texas & Southwestern Cattle Raisers Association, Texas Farm Bureau, Comanche County, Erath County, Hamilton County, Bell County, Mills County, Coryell County, Soil and Water Conservation Districts	Local Stakeholder Groups
Texas AgriLife Extension Service, Texas Commission on Environmental Quality, Texas Parks & Wildlife Department, Texas Department of Agriculture, USDA-Natural Resources Conservation Service, USDA-Agricultural Research Service	Technical Advisory Group
Contractor/Consultant – TBD by BRA	Perform all work in Tasks 1, 2, 3, & 4.

Part II – Project Information

Project Type

Surface Water	X	Groundwater					
Does the project implement recommendations made in a completed Watershed Protection Plan or approved TMDL Report or Implementation Plan?				Yes		No	X
If yes, identify the document.							
If yes, identify the agency/group that developed and/or approved the document.				Year Developed			

Watershed Information

Watershed Name(s)	Hydrologic Unit Code (8 Digit)	Segment ID	305 (b) Category	Size (Acres)
Segment 1221 – Leon River Watershed	12070201	1221	5a	871,488

Project Narrative

Problem/Need Statement

The Leon River watershed below Proctor Lake and above Belton Lake encompasses approximately 1,362 square miles in Bell, Hamilton, Coryell, Comanche, Erath and Mills Counties. In 1998, the entire Leon River was placed on the *Texas 303(d) List* for having bacteria levels that “sometimes exceed water quality standards”. In 2000, the entire Leon River below Lake Proctor (Segment 1221) was placed on the *303(d) List* for bacteria levels “Not Supporting Contact Recreation Use”. The 2002 *303(d) List* identified only the “Portion of segment north of Gustine” and the “Portion of segment west of US Hwy 281” as having bacteria impairment. In September 2002, the TCEQ initiated a TMDL Modeling Study of the Leon River.

A draft TMDL Modeling Report was issued in November 2006 that indicates bacteria loadings into the Leon River should be reduced by approximately 20% (2.51 E15 cfu/yr).

The local stakeholders have expressed interest in taking an active role in developing management strategies to reduce bacteria loadings. At a TMDL Stakeholder Committee meeting in Hamilton on January 12, 2006, the BRA was asked by the Stakeholder Group to take the lead in facilitating the development of a Watershed Protection Plan.

The Watershed Protection Plan will focus on water quality issues on Segment 1221 – Leon River Below Lake Proctor (and its tributaries).

Project Narrative

General Project Description

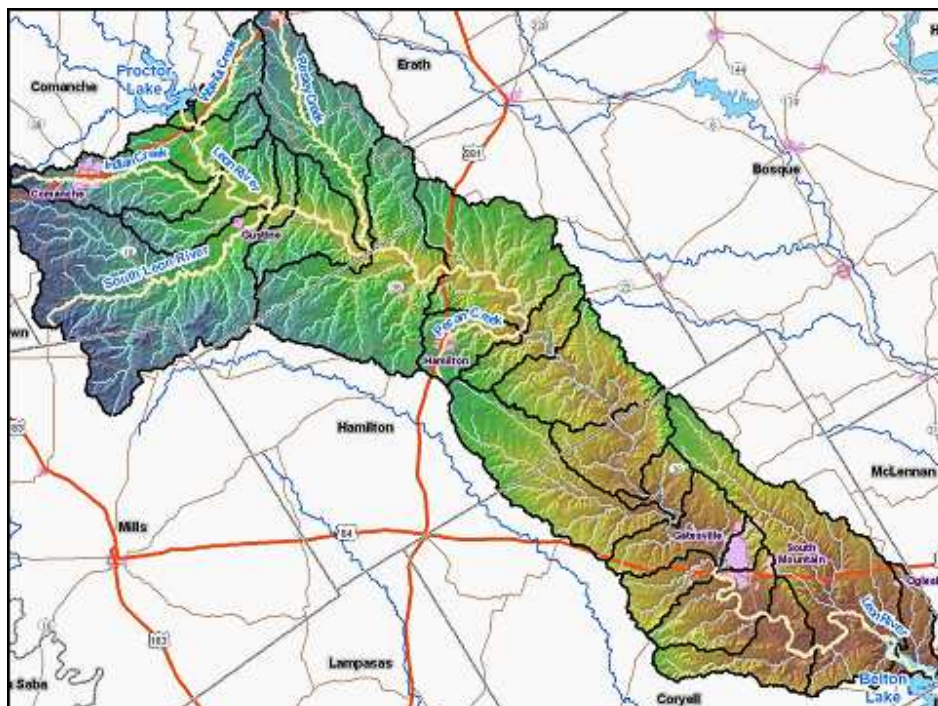
BRA will organize a Stakeholder Group consisting of, but not limited to, representatives from Cities, County Commissioner's Courts, agricultural producers' groups, wildlife interests, Soil and Water Conservation Districts and the dairy industry. A Technical Advisory Group will also be formed to help provide expertise to the Stakeholder Group. This TAG will consist of representatives from federal, state, and regional governmental agencies, and universities. The Stakeholder Group and Technical Advisory group will provide the foundation for this planning effort. The groups will meet quarterly or as needed to ensure that information is disseminated amongst the group and that all interests are considered. The BRA Regional Environmental Planner will contribute approximately 80% of their time towards this task.

BRA will continue to operate routine water quality monitoring sites throughout the basin under the Clean Rivers Program to provide long-term water quality data for this project. These monitoring activities will provide in-kind contributions toward the project. The more technical aspects of Task 3 (Data Collection and Assessment) and Task 4 (Development of a Watershed Protection Plan) will be contracted to an outside consultant. BRA will issue a Request for Proposals to select this contractor.

The Data Collection task will include routine water quality monitoring conducted by BRA. In addition, watershed reconnaissance surveys will be conducted by the BRA and/or their contractor to obtain more site-specific data and help characterize possible bacteria and nutrient sources.

The local stakeholders have expressed some concerns with the water quality model developed for the TCEQ TMDL process. The Water Quality Model Enhancement task (subtask 3.3) will use the TMDL Model inputs from local stakeholders and the most available water quality monitoring data to refine the model to better determine the most appropriate load reduction strategies. BRA's contractor will develop an interactive interface to the TMDL model that will enable stakeholders the ability to better evaluate the potential impacts of implementation measures.

The development of Watershed Protection Plan will allow local stakeholders to have much more ownership of identified load reduction strategies that will ultimately result in improved water quality throughout the Leon River watershed.



Water Quality Impairment

Describe all known causes (pollutants of concern) of water quality impairments from any of the following sources: 2002 Water Quality Inventory and 303(d) List, 2002 Summary of Waterbodies with Water Quality Concerns (Secondary Concerns List) or Other Documented Sources (ex. Clean Rivers Program Basin Summary or Basin Highlights Reports).

2002 303(d) List

1221 – Leon River below Lake Proctor

- Portion of Segment above Gustine – bacteria
- Portion of Segment west of Hwy 281 – bacteria

Project Goals

- To use a locally-driven, stakeholder process to develop a Watershed Protection Plan for the Leon River watershed below Proctor Lake and above Lake Belton.
- To enhance data collection efforts to support and facilitate implementation activities.
- To provide an overall assessment of the Leon River watershed.
- To develop a WPP that can reduce bacteria loadings into the Leon River so as to meet state water quality standards.

Tasks, Objectives and Schedules						
Task 1:	Project Management					
Costs:	Federal:	\$20,000	Non-Federal:	\$106,204	Total:	\$126,204
Objective:	To provide project management that will ensure coordination and communication among Project Team members, maintain project deadlines and ensure the most cost efficient execution of the project.					
Subtask 1.1:	Project Team Coordination – BRA will provide technical and administrative staff necessary to coordinate and monitor all tasks done under this grant. BRA will also ensure effective coordination and communication between members of the project team including the contractor, TAG, and Stakeholder Committees.					
	Start Date:	Month 1		Completion Date:	Month 48	
Subtask 1.2:	Financial Management – BRA and the contractor will collaborate to track project costs on a quarterly basis.					
	Start Date:	Month 1		Completion Date:	Month 48	
Subtask 1.3:	Tracking Project Schedule – BRA will prepare and submit an annual update that tracks proposed timelines for each project task.					
	Start Date:	Month 1		Completion Date:	Month 48	
Subtask 1.4:	Progress Reports and Deliverable Submittal – BRA and the contractor will collaborate to prepare and submit progress reports on a quarterly basis that summarize accomplishments to date.					
	Start Date:	Month 1		Completion Date:	Month 48	
Deliverables	<ul style="list-style-type: none">• Project Team List• Quarterly Progress Reports• Financial Reports					

Tasks, Objectives and Schedules						
Task 2:	Public Participation and Coordination					
Costs:	Federal:	\$100,000	Non-Federal:	\$177,204	Total:	\$277,204
Objective:	Foster support from local stakeholders in the Leon River watershed and help coordinate and focus other implementation initiatives					
Subtask 2.1:	Stakeholder Group - BRA will cooperate with local groups to organize a Watershed Protection Plan Stakeholder Group. This Stakeholder Group will meet quarterly or as needed.					
	Start Date:	Month 1		Completion Date:	Month 48	
Subtask 2.2:	Technical Advisory Group - BRA will work with the WPP Stakeholder Group and TMDL Stakeholder Committee to organize a Technical Advisory Group that will provide the Stakeholder group with technical expertise. This TAG will meet quarterly or as needed.					
	Start Date:	Month 1		Completion Date:	Month 48	
Subtask 2.3:	Stakeholder Meetings - BRA will facilitate Stakeholder Meetings quarterly (or as needed) at appropriate locations in the watershed.					
	Start Date:	Month 1		Completion Date:	Month 48	
Subtask 2.4:	Information Dissemination - Website, Press Releases, technical reports – BRA will maintain a Leon River Watershed Protection Plan website. Any press releases or technical reports generated through this project will be approved by BRA staff and the TSSWCB prior to being released.					
	Start Date:	Month 1		Completion Date:	Month 48	
Subtask 2.5:	Collaborate with local, state, and federal governmental entities as well as other organizations to coordinate watershed planning and implementation activities					
	Start Date:	Month 1		Completion Date:	Month 48	
Subtask 2.6	To facilitate public participation in the final stages of WPP development, BRA and their Contractor will hold a series of Focus Group meetings in June 2009, a Working Committee meeting in July 2009, a Technical Advisory Group meeting in August 2009, a meeting to receive public comment on the 1 st draft of the WPP in November 2009, and a public meeting to distribute the final published WPP and highlight strategies from the WPP in August 2010.					
	Start Date:	Month 32		Completion Date:	Month 48	
Deliverables	<ul style="list-style-type: none">• List of Stakeholders (including names, affiliations, and contact information)• Schedule of Stakeholder Committee Meetings• Other Reports or Documents (such as meeting agendas, meeting notices, meeting materials, meeting summaries, press releases)• Website					

Tasks, Objectives and Schedules						
Task 3:	Data Collection and Assessment					
Costs:	Federal:	\$200,000	Non-Federal:	\$70,275	Total:	\$270,275
Objective:	To improve the understanding of water quality concerns in the Leon River Watershed.					
Subtask 3.1:	BRA will continue to collect routine monitoring in the Leon River watershed through the Clean Rivers Program and may conduct other special studies as needed.					
	Start Date:	Month 1	Completion Date:	Month 48		
Subtask 3.2:	Collect and compile any and all pertinent information that may impact water quality, specifically bacteria, for the Leon River watershed. This data may include, but is not limited to, special water quality monitoring, as well as, gathering information regarding: septic systems, more accurate wildlife and livestock censuses, wastewater treatment plants and collection systems, runoff from dairy waste application fields, etc. Reconnaissance surveys will be conducted throughout the watershed to obtain more site-specific data to characterize possible bacteria and nutrient sources.					
	Start Date:	Month 1	Completion Date:	Month 48		
Subtask 3.3:	Utilize information gathered in Subtask 3.2 as inputs in the TCEQ’s TMDL model to help better focus implementation activities. This model refinement Subtask will assist the Stakeholder Group in evaluating and selecting implementation strategies.					
	Start Date:	Month 1	Completion Date:	Month 48		
Deliverables	<ul style="list-style-type: none">• Clean Rivers Program Monitoring Report• QAPP from BRA contractor for modeling work• Compilation of any data collected through this project• Model output Summary					

Tasks, Objectives and Schedules						
Task 4:	Development of a Watershed Protection Plan					
Costs:	Federal:	\$120,525	Non-Federal:	\$0	Total:	\$120,525
Objective:	Restore and maintain the contact recreation use and promote incentives that will maintain the support of aquatic life use in the Leon River Watershed					
Subtask 4.1:	Through input for local stakeholders, data collection and modeling enhancements, develop a Watershed Protection Plan that meets USEPA’s nine key elements of a watershed-based plan.					
	Start Date:	Month 1		Completion Date:	Month 48	
Subtask 4.2	To conclude the final stages of WPP development, BRA and their Contractor will integrate stakeholder developed load reduction strategies and draft text for the WPP document. BRA and their Contractor will deliver a peer review draft of the WPP in September 2009 to the TSSWCB for review. BRA and their Contractor will subsequently integrate and address TSSWCB comments on the peer review draft of the WPP.					
	Start Date:	Month 32		Completion Date:	Month 37	
Subtask 4.3	To conclude the final stages of WPP development, BRA and their Contractor will release for public comment a 1 st draft of the WPP in November 2009 for a 60-day (at least) public comment period. During the public comment period, BRA and their Contractor will host a meeting in the watershed to receive public comment on the 1 st draft. BRA and their Contractor will distribute the 1 st draft of the WPP document to stakeholders; distribution shall be as appropriate to each individual stakeholder. BRA and their Contractor will subsequently integrate and address public comments on the 1 st draft of the WPP.					
	Start Date:	Month 38		Completion Date:	Month 41	
Subtask 4.4	To conclude the final stages of WPP development, BRA and their Contractor will release for public comment a 2 nd draft of the WPP in March 2010 for a 30-day (at least) public comment period. During the public comment period, BRA and their Contractor will explain to stakeholders, as needed, changes made to the 1 st draft. BRA and their Contractor will distribute the 2 nd draft of the WPP document to stakeholders; distribution shall be as appropriate to each individual stakeholder. BRA and their Contractor will subsequently integrate and address public comments on the 2 nd draft of the WPP.					
	Start Date:	Month 42		Completion Date:	Month 43	
Subtask 4.5	To conclude the final stages of WPP development, BRA and their Contractor will deliver to TSSWCB in May 2010 a final draft of the WPP for submission to USEPA for federal consistency review. After the 60-day (maximum) federal consistency review period, BRA and their Contractor will integrate and address USEPA comments on the final draft of the WPP. USEPA comments shall be integrated and addressed to the extent practicable without fundamentally altering the stakeholder –framed intent of WPP content.					
	Start Date:	Month 44		Completion Date:	Month 46	
Subtask 4.6	To conclude the final stages of WPP development, BRA and their Contractor will print and publish a final WPP and a separate executive summary style fact sheet or public information brochure about the WPP. BRA and their Contractor will distribute the final WPP to stakeholders; distribution shall be as appropriate to each individual stakeholder. BRA will post the final WPP to the project website. BRA and their Contractor will host a public meeting to highlight strategies from the final WPP in August 2010.					
	Start Date:	Month 47		Completion Date:	Month 48	
Deliverables	<ul style="list-style-type: none">• Watershed Protection Plan Outline• Peer Review draft of Watershed Protection Plan (September 2009)• 1st Draft of Watershed Protection Plan (November 2009)• 2nd Draft of Watershed Protection Plan (March 2010)• Final Draft of Watershed Protection Plan (May 2010)• Published Watershed Protection Plan (August 2010)					

Measures of Success

The development of a Watershed Protection Plan that (a) meets the 9 key elements as set forth by USEPA for watershed-based plans; (b) facilitates load reductions in bacteria identified by the draft Leon River TMDL; and (c) addresses other water quality concerns in the Leon River watershed.

2005 Texas Nonpoint Source Management Program Document Reference

Goals &/or Milestone(s)

Long-term Goals, Objectives

- 1 – Focus...available resources in watersheds identified as impacted by NPS pollution in the latest state approved *Texas Water Quality Inventory and 303(d) List*.
- 2 – Support the implementation of state, regional and local programs to prevent NPS pollution through assessment...and education.
- 5 – Develop partnerships, relationships...to facilitate collective, cooperative approaches to manage NPS pollution.
- 6 – Increase overall public awareness of NPS issues and prevention activities.
- 7 – Enhance public participation and outreach by providing forums for citizens and industry to contribute their ideas and concerns about the water quality management process.

Short-term Goals

Goal One – Data Collection and Assessment: Coordinate with appropriate federal, state, regional and local entities, private sector groups, and citizen groups and target CWA §319(h) grant funds toward water quality assessment activities in high priority, NPS-impacted watersheds...

- Objective C – Conduct special studies to determine sources of NPS pollution and gain information to target...BMP implementation activities.
- Objective D – Develop...WPPs for watersheds identified as impacted by NPS pollution on the latest state approved CWA §303(d) List.

Goal Two – Implementation: Coordinate and administer the NPS program to support the implementation of...Watershed Protection Plans and other state, regional, and local plans/programs to reduce NPS pollution...

- Objective A – Work with regional and local entities to determine priority areas and develop and implement strategies to address NPS pollution in those areas.

Part III – Financial Information

Budget Summary

Federal 319(h)	\$ 440,525	% of total project (≤60%)		55%
TSSWCB State GR	\$ 60,000	% of total project		8%
Cooperator Match	\$ 293,683	% of total project		37%
Total Project Cost	\$ 794,208	Total project %		100%
Category	Federal 319(h)	TSSWCB State GR	Cooperator Match	Total
Personnel	\$ 74,390	\$ 0	\$ 54,720	\$ 129,110
Fringe Benefits	\$ 41,655	\$ 0	\$ 30,643	\$ 72,298
Travel	\$ 13,800	\$ 0	\$ 1,200	\$ 15,000
Equipment	\$ 0	\$ 0	\$ 0	\$ 0
Supplies	\$ 0	\$ 0	\$ 0	\$ 0
Contractual	\$ 302,472	\$ 60,000	\$ 138,053	\$ 500,525
Construction	\$ 0	\$ 0	\$ 0	\$ 0
Other	\$ 0	\$ 0	\$ 63,595	\$ 63,595
Total Direct Costs	\$ 432,317	\$ 60,000	\$ 288,211	\$ 780,528
Indirect Costs (15%)	\$ 8,208	\$ 0	\$ 5,472	\$ 13,680
Total Project Costs	\$ 440,525	\$ 60,000	\$ 293,683	\$ 794,208

The §319(h) Nonpoint Source Program has a 60/40% match requirement. Your entity will be reimbursed 60% from federal funds and must contribute a minimum of 40% of the costs to conduct your project. The 40% match must be from non-federal sources and should be described in your budget detail. Indirect costs are limited to 15%. The project budget generally covers a three year period.

Budget Justification (Federal)		
Category	Total Amount	Justification
Personnel	\$ 74,390	BRA staff – Watershed Specialist and Regional Environmental Planner
Fringe Benefits	\$ 41,655	56% of Personnel
Travel	\$ 13,800	For travel to local meetings and other project activities
Equipment	\$ 0	N/A
Supplies	\$ 0	N/A
Contractual	\$ 302,472	Consultant Contractor
Construction	\$ 0	N/A
Other	\$ 0	N/A
Indirect	\$ 8,208	10% of Personnel

Budget Justification (State GR)		
Category	Total Amount	Justification
Personnel	\$ 0	N/A
Fringe Benefits	\$ 0	N/A
Travel	\$ 0	N/A
Equipment	\$ 0	N/A
Supplies	\$ 0	N/A
Contractual	\$ 60,000	Consultant Contractor
Construction	\$ 0	N/A
Other	\$ 0	N/A
Indirect	\$ 0	N/A
SOURCE	TSSWCB will provide \$60,000 in non-federal funds sourced from state appropriations (FY2009 General Revenue) through a TMDL Program Grant to BRA. Funds must be expended between May 1, 2009 and September 30, 2010.	

Budget Justification (Cooperator Match)		
Category	Total Amount	Justification
Personnel	\$ 54,720	BRA staff – Watershed Specialist and Regional Environmental Planner
Fringe Benefits	\$ 30,643	56% of Personnel
Travel	\$ 1,200	For travel to local meetings and other project activities
Equipment	\$ 0	N/A
Supplies	\$ 0	N/A
Contractual	\$ 138,053	Contractual Services
Construction	\$ 0	N/A
Other	\$ 63,595	BRA, Routine Water Quality Monitoring
Indirect	\$ 5,472	10% of Personnel